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amended

de-activating said power control algorithm if said criterion is met,  
wherein said de-activation includes performing a different type of algorithm than  
said power control algorithm, and  
wherein said different type of algorithm includes an algorithm showing better  
performances than said different type of algorithm in fast changing environments and/or  
high mobile speed.

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32. (Amended) A method for improving performances of a mobile  
radiocommunication system using a power control algorithm, said method comprising:  
regularly estimating if a criterion is met as to whether said power control  
algorithm should better be de-activated; and  
de-activating said power control algorithm if said criterion is met,  
wherein said de-activation includes performing a different type of algorithm than said  
power control algorithm,  
wherein said algorithm and said other algorithm are chosen in a group comprising  
closed-loop power control algorithms and open-loop power control algorithms, and  
wherein said estimation as to whether said criterion is met is based on an  
estimation of a deviation value, representative of a deviation between an estimated  
transmission quality and a target transmission quality, and  
wherein said estimation as to whether said criterion is met includes:

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- an estimation of a first deviation value, which would have been obtained if said power control algorithm had always been activated, on a given time-interval on which said deviation value is estimated,

GP model . - an estimation of a second deviation value, which would have been obtained if said power control algorithm had never been activated, on said given time-interval on which said deviation value is estimated,

- a choice between activation and de-activation of said algorithm depending on which of said first and second deviation values is the lowest.

Sub H 35. (Amended) A method for improving performances of a mobile radiocommunication system using a power control algorithm, said method comprising:

regularly estimating if a criterion is met as to whether said power control algorithm should better be de-activated; and

de-activating said power control algorithm if said criterion is met, wherein said de-activation includes performing a different type of algorithm than said power control algorithm,

wherein said algorithm and said other algorithm are chosen in a group comprising closed-loop power control algorithms and open-loop power control algorithms, and

wherein said estimation as to whether said criterion is met is based on an estimation of a deviation value, representative of a deviation between an estimated transmission quality and a target transmission quality, and

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wherein said estimated deviation value is represented by the variance of said  
estimated transmission quality.

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43. (Amended) A method according to claim 28, wherein said power control  
algorithm is one of a closed loop and open loop algorithm, and said different type of  
algorithm is the other of said closed loop or open loop algorithm.

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46. (Amended) A method for improving performances of a mobile  
radiocommunication system using a power control algorithm, said method comprising:  
regularly estimating whether a criterion is met as to whether said power control  
algorithm should better not be performed, and  
not performing any power control algorithm in accordance with a result of said  
estimating step,  
wherein said estimation as to whether said criterion is met is based on an  
estimation of a deviation value, representative of a deviation between an estimated  
transmission quality and a target transmission quality.

Please add the following new claim:

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58. (New) A method for improving performances of a mobile radiocommunication  
system using a power control algorithm, said method comprising:

regularly estimating if a criterion is met as to whether said power control algorithm should better be de-activated; and  
de-activating said power control algorithm if said criterion is met,  
wherein said de-activation includes performing a different type of algorithm than said power control algorithm,

wherein said algorithm is one of a closed loop power control algorithm and a open loop power control algorithm and said other algorithm is the other of said closed loop power control algorithm and said open loop power control algorithm.